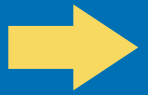




# TORSION TESTING MACHINE



## Features :

Torsion Testing Machine is designed for conducting Torsion and Twist on various metal wires, tubes, sheet materials, torque measurement is by pendulum dynamometer system.

Torque ranges can be adjusted by Auto Torque Selector.

Torque can be applied to specimen by geared motor through gear box.

Autographic recorder gives the relation between torque and angle of twist.

The accuracy of torque indication is  $\pm 1\%$  of the true torque.



## Technical Data :

MODELS	UNIT	TT-6	TT-10	TT-20	TT-50	TT-100	TT-200	TT-300	TT-600
Max. Torque Capacity	Nm	60	100	200	500	1000	2000	3000	6000
Torque Ranges	Nm	60,30	100,50, 20	200,100, 50	500,250, 100,50	1000,500, 250,100	2000,1000 500,200	3000,1500 600,300	6000,3000 1500,600
No. of div. on dial	Nos	600	500	500	500	500	500	600	600
Torsion Speed	RPM	1.5	1.5	1.5	0.5	0.5	0.5	0.5	0.5
Clearance between Grips	mm	0-420	0-420	0-420	0-500	0-600	0-1000	0-1000	0-1500
Grips for round Specimens	mm	4-8 8-12	4-8 8-12	8-10	10-17, 17-24 24-30	10-18 18-26 26-34	20-30 30-40 40-50	30-40 40-50 50-60	40-50 50-60 60-70
Grips for flat specimens width mm	mm	25	2-8 25	3-10 10-15 15-20	5-12 40	5-15 50	10-20 60	15-25 60	25-40 70
Motor (400-440 V, 3 Phase & 50 Hz.)	HP	0.5	0.5	0.5	0.5	1.0	1.0	1.5	3.0

- Machine upto 25000 Nm. Capacity will be available on special enquiry.
- FIE reserves the rights of change in above specification due to constant improvements in design.



# ERICHSEN TESTING MACHINE



FIE Erichsen Tester is designed to carry out Erichsen Cupping Test on metals. Quick clamping and manual operation facilitates faster and trouble free working of the machine.

Technical Data	Unit	
Width of Sample	mm	70-90
Thickness of Sample	mm	0.1-2
Least Count	mm	0.01
Overall Dimensions (approx)	mm	450x500x500
Net Weight (approx)	kg	20

**Installation :** It is recommended that the machine is mounted on a rigid table.  
● FIE reserves rights of change in the above specification due to constant improvement in design.  
● The dimensions given above are all approximate.

Manufactured by :



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